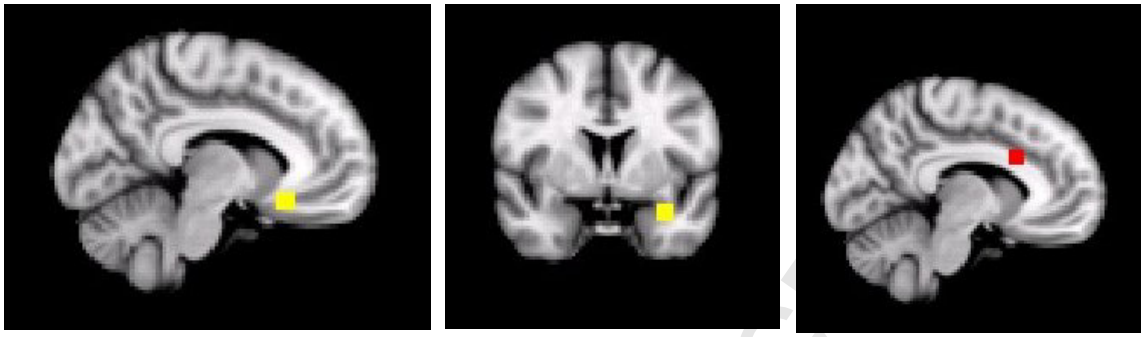
Supplement 1: Seed and target regions of interest (ROIs) for probabilistic tractography analysis.



Note: ROIs were created in MNI space and then registered to each individual's DTI data. Left: Subgenual Anterior Cingulate Cortex (ACC) seed; middle: amygdala seed; right: supragenual ACC seed.

DTI, Diffusion Tensor Imaging; MNI, Montreal Neuroimaging Institute.

Supplement 2: Statistical Result* comparison of fractional anisotropy within white matter tracts yielded by probabilistic tractography.

WM Tract (seed/target)	Hemisphere	FA values: Mean (Standard Deviation) (depressed / healthy)	F, P values*	Effect Size (Cohen's d)	N (depressed / healthy)
Subgenual ACC / amygdala	Right	0.314 (.035) / 0.343 (.021)	7.052, 0.013	1.0	14/13
Subgenual ACC/ amygdala	Left	0.329 (.022) / 0.344 (.028)	1.537, 0.227	0.59	14/14
Subgenual ACC / supragenual ACC	Right	0.367 (.045) / 0.366 (.042)	0.239, 0.635	-0.03	5/9
Subgenual ACC / supragenual ACC	Left	0.369 (.036) / 0.391 (.032)	0.573, 0.458	0.63	10/13

Note: *Univariate ANCOVA tests were conducted to compare mean FA values between groups for each tract, correcting for group differences in IQ.

ACC, Anterior Cingulate Cortex; FA, Fractional Anisotropy; WM, White matter.